

ABSTRACT OF THE DISCLOSURE

A transformer (1) serves to produce high electrical currents, in particular, for transforming high alternating and power pulse currents for producing magnetic fields in magnetic technology for magnetizing magnets and magnetic systems, as well as in conversion technology for forming electrically conductive materials by means of a magnetic field. The transformer has at least one primary coil (2) and at least one secondary part (3), which are connected with bus bars (4, 5). The secondary part (3) of the transformer (1) includes at least one electrically conductive plate (6), in which at least one cut-out penetrating the plate (6) is disposed. At least one slit (8) originating from the cut-out (7) is provided, which separates the plate (6) on one side of each cut-out (7) into two parts and produces the required bus bar (5).